

**Remarks**

Claims 1-11 remain unchanged. New claims 12 and 13 have been introduced. No new matter has been added by way of these amendments. Applicants seek to place the claims in more suitable condition for US prosecution.

Examiner considers the features of claim 3 as previously presented to contain allowable matter. New claims 12 and 13 have been rewritten as independent claims which incorporate the allowable subject matter of claim 3.

Applicant respectfully disagrees with the Examiner that Roscoe (US 5,086,224) discloses the features recited in claim 1 of the present application. Claims 1 is distinguished over Roscoe in reciting “pre-processing downhole the raw spectroscopy data to obtain a net capture spectra; and performing spectral stripping using time information and the net capture spectra to determine elemental yields”.

Roscoe does not teach obtaining a net capture spectra, or more importantly, of preprocessing the net capture data downhole. Instead Roscoe at col. 5 lines 44 to 48 describes a gross measured spectra which is assembled and stored in surface buffer memory.

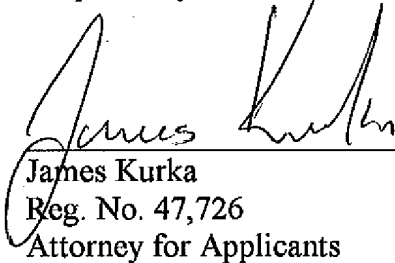
Moreover, Roscoe does not describe spectral stripping, nor of performing it using time information.

It is respectfully submitted that apparatus claim 6 is also distinguished from Roscoe for these reasons.

The Applicants believe the claims are in condition for allowance, early passage to issuance is requested. The Commissioner is authorized to charge any fee associated with the submission of this response to Deposit Account No. 50-2183 (Ref. No. 21.1065).

The Examiner is invited to contact the undersigned patent attorney at 281-285-7114 with any questions, comments or suggestions relating to the referenced patent application.

Respectfully submitted,

  
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